Springfield Technical Community College
Academic Affairs

Course Number: MAT 064   Class/Lect. Hours: 1   Lab Hours: _____   Credits: 1   Dept.: Mathematics

OBJECTIVES/COMPETENCIES

Course Objectives	Competencies
1. Functions	Upon completion of the unit the student will be able to: 1a. Identify a function 1b. Identify domain and range 1c. Composition of functions 1d. Inverse of a function
2. Exponential and Logarithmic Functions	2a. Graph exponential functions. 2b. Solve exponential equations. 2c. Identify the graph of logarithmic functions 2d. Convert expressions between exponential and logarithmic form 2e. Solve logarithmic equations
3. Trigonometry – Right Triangle	3a. Define the six trigonometric functions in terms of a right triangles 3b. Evaluating trig functions – solving right triangles 3c. Converting degrees and radians 3d. Solve applied right triangle problems. 3e. Solve applications of trigonometric problems.
4. Solving formulas	4a. Identify, differentiate among various solution formulas. 4b. Skill in interpreting formulas necessary to solve problems. 4c. Solving literal equations for required variable